

Contents of *Ecological Modelling*, Vol. 64

VOL. 64 NO. 1

15 OCTOBER 1992

First flow-thru analysis in ecosystem studies

R. Pilette and D.T. Kincaid (New York, NY, USA) 1

Sensitivity analysis in the presence of correlated parameter estimates

D.A. Elston (Aberdeen, United Kingdom) 11

The evolution of copper concentrations in Lake Orta, Italy

G.E. Rossi, H. Muntau (Ispira, Italy) and G. Tartari (Brugherio, Italy) 23

Modelling coastal marsh stability in response to sea level rise: a case study in coastal Louisiana, USAG.L. Chmura (Baton Rouge, LA, USA), R. Costanza (Solomons, MD, USA) and
E.C. Kesters (Baton Rouge, LA, USA) 47**Short Communications****Fractal scaling in the geographic distribution of populations**

W.S. Kendal (Toronto, Ontario, Canada) 65

Revisiting Nihoul's model for oil slicks transport and spreading on the sea

E. Deleersnijder (Louvain-la-Neuve, Belgium) 71

Book Reviews

Terrestrial and aquatic ecosystems 77

Theoretical studies of ecosystems 79

Computer systems performance analysis 81

Announcements 83

VOL. 64 NOS. 2/3

31 OCTOBER 1992

Special Issue

Decision Support Systems in Air Pollution

Edited by B. Henderson-Sellers

Editorial 87

Estimation and discrimination of alternative air pollution modelsJ. Bai, A.J. Jakeman (Canberra, A.C.T., Australia) and M. McAleer (Perth, W.A.,
Australia) 89

Efficient tools for analysing the influence of sources and meteorology on urban ambient concentration trends illustrated for Canberra, Australia A.J. Jakeman, J.A. Taylor and H.D. Symons (Canberra, A.C.T., Australia)	125
Sensitivity of plume rise models in the context of decision support B. Henderson-Sellers (Kensington, N.S.W., Australia)	159
Power stations, oxides of nitrogen emissions, and photochemical smog: a modelling approach to guide decision makers D.S. Wratt, M.G. Hadfield (Wellington, New Zealand), M.T. Jones (Auckland, New Zealand), G.M. Johnson (North Ryde, N.S.W., Australia) and I. McBurney (Auckland, New Zealand)	185
A decision system for selecting a site-specific air quality dispersion model L.L. Schulman and S.R. Hanna (Concord, MA, USA)	205
Optimal air pollution control strategies: a case study G. Finzi and G. Guariso (Milano, Italy)	221
Decision support system prototypes for greenhouse advice A. Henderson-Sellers (North Ryde, N.S.W., Australia)	241

VOL. 64 NO. 4

NOVEMBER 1992

Realized versus fundamental niche functions in a model of chaparral response to climatic change G.P. Malanson (Iowa City, IA, USA), W.E. Westman (Berkeley, CA, USA) and Y.-L. Yan (Iowa City, IA, USA)	261
A mathematical model to study leaf fall in apricot and peach trees C. Scala (Siena, Italy) and P. Cappelini (Rome, Italy)	279
A computer model for predicting effluent BOD concentrations from a rock-plant filter D. Skipper (Lafayette, LA, USA) and M. Tittlebaum (Baton Rouge, LA, USA)	289
Equivalence and the adaptationist program E.M. Hulburt (Woods Hole, MA, USA)	305